AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the specification.

1-27. (Cancelled)

28. (New) An isolated nucleic acid molecule comprising a sequence of nucleotides encoding or complementary to a sequence encoding a flavonoid 3',5' hydroxylase (F3'5'H), said nucleotide sequence selected from the list consisting of:

(i) a nucleotide sequence encoding an amino acid sequence selected from SEQ ID NO:10 or SEQ ID NO: 12;

(ii) a nucleotide sequence encoding an amino acid sequence having 90% similarity to an amino acid sequence selected from SEQ ID NO: 10 or SEQ ID NO: 12 after optimal alignment;

(iii) SEQ ID NO: 9 or SEQ ID NO: 11;

(iv) a nucleotide sequence capable of hybridizing to a nucleotide sequence selected from SEQ ID NO:9 or SEQ ID NO: 11 or a complementary form thereof under high stringency conditions; and

(v) a nucleotide sequence having 80% identity to a nucleotide sequence selected from SEQ ID NO: 9 or SEQ ID NO: 11.

29. (New) The isolated nucleic acid molecule of Claim 28 operably linked to a promoter.

30. (New) The isolated nucleic acid molecule of Claim 29 wherein the promoter is the CaMV35s promoter.

31. (New) A genetic construct comprising a nucleic acid molecule of any one of Claims 28 to 30.

32. (New) A genetically modified plant or progeny thereof comprising a nucleic acid molecule of Claim 28, wherein expression of said nucleic acid molecule results in an altered

flower color.

33. (New) The genetically modified plant of Claim 32 wherein said nucleic acid molecule is operably linked to a promoter.

34. (New) The genetically modified plant of Claim 33 wherein the promoter is the CaMV35s promoter.

35. (New) A genetically modified plant according to any one of Claims 32-34 wherein the plant is a rose or a progeny thereof.

36. (New) An isolated F3'5'H polypeptide comprising an amino acid sequence selected from the list consisting of:

(i) SEQ ID NO: 12;

(ii) sequences having at least 90% similarity to SEQ ID NO: 12;

(iii) SEQ ID NO: 10; and

(iv) sequences having at least 90% similarity to SEQ ID NO: 10.

37. (New) A fusion protein comprising at least one polypeptide according to Claim 36.